

## **ABSTRACT OF THE DISCLOSURE**

Method of analyzing biological signals, including obtaining a  
5 magnetic recording media having an analog biological signal  
recorded thereon, using digital processing software to digitize the  
biological signal, displaying the digitized biological signal in analog  
form on a display, and visually analyzing the biological signal on  
the display. The biological signal may be an electrocardiogram.  
10 Preferably, independent channel enhancement of the dynamic  
range of the analog biological signal is performed prior to digitizing  
The displayed biological signal is preferably presented in time  
compressed form. Digitizing is performed by sampling the  
biological signal at at least approximately 44,100Hz per second per  
15 channel and quantization of at least 16-bits per sample per  
channel. The digital processing software is preferably digital audio  
processing software.